

ENGINEER'S ESTIMATE - UNIT PRICE CALCULATION SHEET

ITEM CODE:	120200	EA:	12345
DESCRIPTION:	Flashing Beacon (Portable)		
QUANTITY:	10	UNIT:	EA
		UNIT PRICE:	\$1500

PREPARED BY:	Jane Doe	Initial	DATE:	2/13/06
CHECKED BY:	John Doe	Initial	DATE:	3/2/06

RESEARCH/CALCULATIONS:

- Contract Cost Database (see attached) → weighted average \$1900 EA
 - Districts: 7, 8, 11 and 12
 - Years: 2003, 2004 and 2005
 - Minimum Quantity: 5
 - Maximum Quantity: 15
- Removed high and low bids → weighted average \$1460 EA
- Recent bid openings in D8
 - EA 08-11111, 1/26/06, 9 EA → \$4500
 - Second bidder → \$3500
 - Third Bidder → \$5500
- Recent bid opening for SANBAG
 - EA 08-22222, 2/23/06, 12 EA → \$1200
- $\$1460 + 25\% = \1825
- $(\$1825 + \$1200)/2 = \$1512 \rightarrow \text{SAY } \1500

METHODOLOGY/ASSUMPTIONS:

- EA 11111 was located in rural San Bernardino County. The location and type of work was very different, therefore the prices were discarded
- Assumed 25% inflation on historic data based on increases in similar items of work
- Averaged inflated historic data price with recent SANBAG bid

REFERENCES USED:

District 08 Contract Cost Database
Caltrans Bid Summary Results
SANBAG Bid Results

CONTACTS/REVIEWED BY:

Constructability Reviewer
Construction on-call consultant

Resident Engineer
Office Engineer

FILE LOCATION:

J:\12345\DES\est\backup\120200\summary.doc
J:\12345\DES\est\backup\120200\database.pdf

J:\12345\DES\est\backup\120200\08-22222.pdf
J:\12345\DES\est\backup\120200\08-11111.pdf